

## The Field.

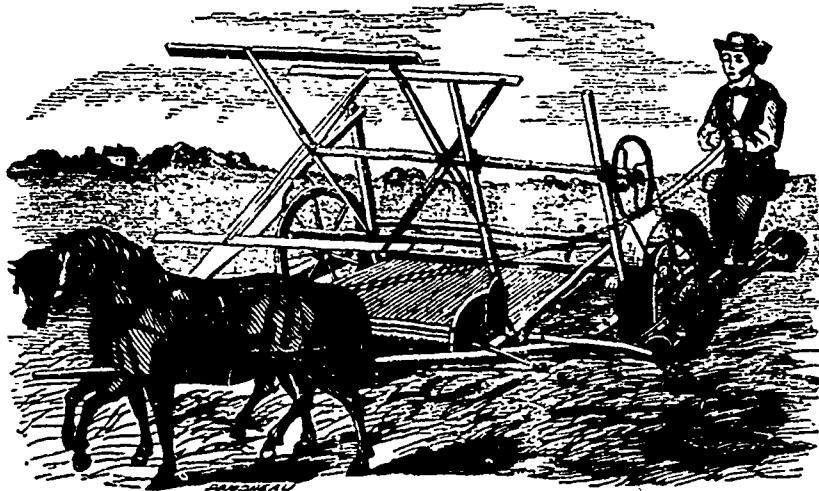
### "The Wellington" Mower and Reaper.

INVENTIVE genius has been busily engaged for some time past in contriving some improvement in the mowing-machine to secure an effective method of raking and binding the cut grain. Self-rakers, droppers, and sheaf-makers have in various styles been offered for public approval and patronage. Of course a machine that makes and binds its own sheaves would be a most desirable acquisition to the farmer, but while there are at least two or three that profess to do this, we have not met one that seemed really the thing. The binding machinery is too delicate and complicated for the rough handling of field work. We need not, however, despair of this being ultimately accomplished. In the meantime, there are machines well worthy of attention which, by means of a self-raking attachment, dispense with the labour of a man to bind in the harvest field. We present herewith an engraving somewhat novel in its construction and working. Its chief peculiarity consists in an endless bed delivery, by means of which the grain, after cutting, is adroitly shuffled into the form of a sheaf. This arrangement is entirely subject to the will of the driver, who, by a slight pressure of his foot while the machine is in motion, sets the endless bed going, and delivers the grain instantly in a shape fit for binding, at the side of the machine, and quite out of its way on the next round. The open slat-work shown in the place usually forming the platform, constitutes the bed, and revolves when over the necessary pressure is applied. This machine was invented by James Collins, of Guelph, County of Wellington, and was patented by him Nov. 22, 1864. Having seen it at work, and carefully watched its performance, we regard the principle of its construction as a good one, and think the machine one of the best among the numerous harvesters now competing for public favor. Parties desirous of more particular information in regard to this implement, can obtain it by addressing or visiting Mr. Collins, the proprietor and patentee, at Guelph. "The Wellington" won no honours at the recent Provincial Exhibition. This, however, is fully accounted for by two circumstances; first, that the sample on exhibition had been considerably used, and was in looks much the worse for it, and secondly, that only when in operation can its real merit be seen.

### Farm Implements at the Provincial Show.

This branch of the Exhibition was not, on the whole, so full and varied as usual; nevertheless, a few of the classes were filled almost to repletion, while others were scarcely represented at all. There was, for some cause or other, a great deal of tardiness in the arrival of a number of implements, thus retarding the work of the judges, and rendering it difficult to get a full account of the articles actually shown. Manufacturers are too slow about finishing and shipping their wares; and hence, at the eleventh hour, the railroad depots are glutted with freight, and annoyance is caused to all concerned by the non-arrival of entered and expected articles. To begin with that fundamental implement—the plough—we are glad to say that in this important class, a large number of really good specimens were on hand. A finer

mentioned those of Messrs Milloy, of Erin; Runciman, of Goderich; and Gray, of Egmondville. The last-named manufacturer had also a double-mould board plough, of excellent pattern and make. Another, though not so good, a double-mould board plough was shown by Geo. Morley, of Thorold, who had also a stout sub-soiler. George Bryce, of Mohawk, also showed a subsoil plough. Both of these last-named implements appeared to us too heavy and clumsy for general adoption in Canada. They are made after the model of the subsoilers used in Britain, where four or six stout horses are employed to draw them. We want a rather light subsoil plough for this country, one that an ordinary team can work. Among the wooden ploughs on the ground were two of the "Curtis" pattern shown by W. Bissell, London; also variously shaped ploughs from the shops of George Morley, Thorold; G. Jackson, London; Jas. Wright, Westminster; Jos. Lowrie, Sarnia; A. Gibson, Burford; (this is a short Scotch plough, with a wheel in the rear of the mould-board to lighten the draft); John Elliot, London, long Scotch plough; Jo. G. McInnes, Fergus; R. Runciman, Goderich; and J. Walker, Westminster; H. A. Massey of Newcastle; and J. W. Nead's, of Bowmanville; each showed a double Michigan plough, an implement we should like to see in more general use. It is unequalled for breaking up sod ground, and for deepening the seed bed by gradually bringing the subsoil up to the surface. It is due to the exhibitors in this class to state that several "cack" ploughs were absent at the match at the time we inspected the im-



assortment of iron ploughs could hardly be desired, and a fair lot of wooden ones were on the ground. Iron ploughs were exhibited by R. Beattie & Co., Westminster; A. Boyle, Eden Mills; John Elliott, London; James McPherrrie, St. David's; H. Milloy, Erin; T. Stacy, St. Thomas; Geo. McInnes, Fergus; A. Kirkbride, and R. Runciman, Goderich; George Prentice, Columbus; John Gray, Egmondville; Geo. Morley, Thorold; and W. Alexander, Falkirk. From the foregoing array of makers' names, it will be seen how numerous the iron ploughs mustered. It would be almost invidious to single any out—the entire collection was one of manifest excellence; and unless they were compared in the field, it would be difficult, if not impossible, to judge of their respective merits. A few of very superior workmanship and fine finish attracted special attention. They will work no better for their neat appearance and high polish, but they are, nevertheless, very creditable to their makers. Among the highly finished ploughs may be

plements, and on this account some deserving names may fail to appear in our enumeration. Cultivators were shown in considerable variety by J. and J. Noxon Ingersoll, Thomas Webster, Strathroy; who had a revolving cultivator with spiked wheels, a good looking affair, Jos. Lowrie, Sarnia; R. Shoff, Birr, who exhibited one with braced teeth and effective lever attachment; A. Anderson, London, one with pivoted frame and triple leverage, which looked as if it might work admirably; F. J. Payne, Southwold, a rather clumsy tool, but with a double set of well-braced teeth. McPherson, Glasgow & Co., Fingal, a two-horse triangular cultivator; R. Runciman, Goderich, a well braced small tooth implement; John Elliot, London; Isaac Westcott, Bowmanville, an all-iron small-wheeled cultivator; W. Armstrong, Lobo, a rather heavy affair with large iron wheels; W. Alexander, Falkirk, an iron one with medium sized wheels, and small braced teeth; J. Reid, Glenwith, one all iron; Pavey & Sons, London, ditto, A.